BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

ıme of work: construction of culverts and Improvements of Drains at raipalya sarrounding area in ward No. 06 Byatarayanapura Sub Division

						Estimate Cost Rs.	1500000.00	
	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19	Cum							
	Culverts		9	6.00	2.10	1.20	136.08		
	Desilting of Drains		9	50.00	0.60	0.60	162.00		
	Removing Additional Eirth		9	50.00	1.50	0.20	135.00		
							433.08	137.80	**59678.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 13/ Item No. 4.3/ PWD SR 2018-19	**Cum**							
	For Culverts		9	6.00	2.10	0.15	17.50		
							17.50	5408.12	**94630.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 25/ Item No. 5.9/ PWD SR 2018-19	**Sqm**							
	Culverts		18	6.00	0.60	0.90	58.32		
							58.32	**5811.98**	**338955.00**
	Basic Rate	5483.00							
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19	**cum**							
Culverts		18	6.00	0.60	0.15	9.72		
Vent Bed		9	6.00	0.60	0.15	4.86		
Ramp		9	6.00	1.00	0.15	8.10		
						22.68	5627.54	**127633.00**
Basic Rate	5309.00							
Area Weightage @ 6%	318.54							
Total	**5627.54**							
KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 115/ Item No. 15.1/ PWD SR 2018-19	Sqm							
Culverts		18	6.00		0.90	97.20		
						97.20	223.66	**21740.00**
Basic Rate	211.00							
Area Weightage @ 6%	12.66							
Total	**223.66**							
Providing precast slab of 250mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate	**Sqm**							
For Culverts		9	6.00	1.80		97.20	5418.00	**526630.00**
Approved DATA RATE	5418.00							
Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate	**Sqm**							
For Replacing Damaged Slabs		1	68.00	0.90		61.20	2337.00	**143024.00**
Approved DATA RATE	2337.00							
KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19	Cum							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		Qty. Vide Item No. 1+2				433.08		
						433.08	60.42	26167.00
Basic Rate	57.00							
Area Weightage @ 6%	3.42							
Total	60.42							
						Grand Total		1338457.00
For 12% Applicable GST								160615.00
Miscesallaneous Charges	L/S							928.00
								1500000.00

tificate:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per PWD SR of 2018-19
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06(Thanisandra)

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval

Accorded For ..15.00 lakhs
Head of A/C..P1771.....
CER NO :..53..... Dt:.09.07.2019

TA. CE (YNK)

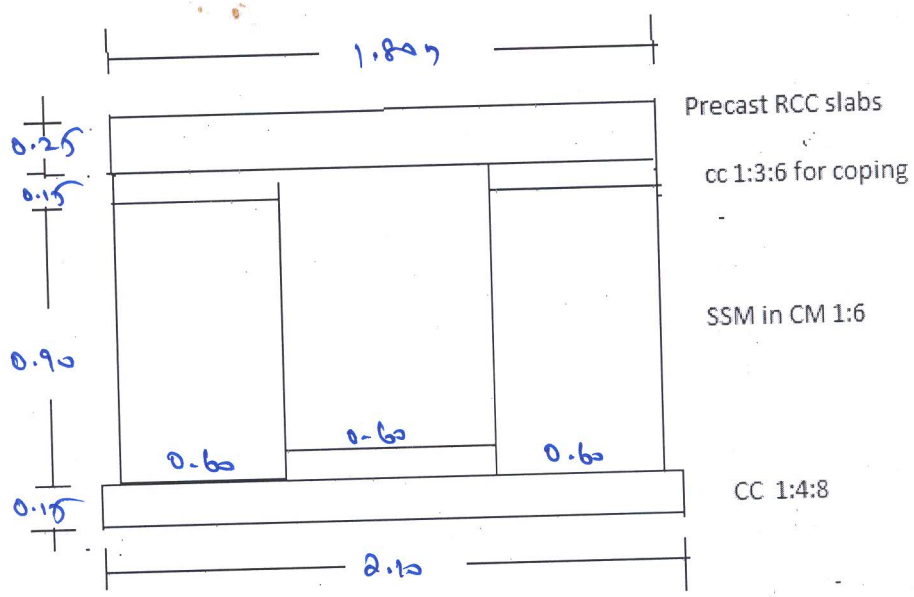
TECHNICAL SANCTION

Accorded For Rs..15.00 lakhs.....
Head of A/c..P1771.....
Div. Ref. No..15.....Date..09.07.2019

AE EE(BTP)

Name of work : Constn of culverts and Imp. to drains at Kanakapalya surrndg area in Ward No. 06, Byatarayanapura sub-Division

Estimated cost : Rs 15. Lakhs P code : 1171 Job No: 006-19-000052



Cross section of Culvert

Assistant Engineer
Ward No:06

Assistant Executive Engineer
Byatarayanpura sub division